

D2 XP-002141924

BEST AVAILABLE COPY

AN - 1987-201955 [29]

AP - JP19850267477 19851129

CPY - MITO

DC - E19 E36 J04

DR - 1423-U 1784-U 1926-U 1953-U

FS - CPI

IC - B01J32/00

MC - E10-J02D E11-Q02 E31-F01A E31-H01 E31-N05B J01-E02D J04-E04 N03-C

M3 - [01] C106 C107 C108 C216 C307 C316 C520 C540 C550 C730 C800 C801 C802  
C803 C804 C805 C807 M411 M750 M903 M904 M910 N164 N441 N514 Q431 Q436  
Q439; R01423-X R01784-X R01953-X; 8714-0 1286-M

- [02] M210 M211 M212 M213 M214 M215 M216 M220 M221 M222 M223 M224 M225  
M226 M231 M232 M233 M320 M416 M610 M620 M750 M903 M904 N164 N441 N514  
Q431 Q436 Q439; 8714-0 1286-M

- [03] A423 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807 M411 M730  
M903 M910 Q421; 8729-B7601-X; 8714-0 1286-M

PA - (MITO) MITSUBISHI HEAVY IND CO LTD

PN - JP62129149 A 19870611 DW198729 003pp

PR - JP19850267477 19851129

XA - C1987-084354

XIC - B01J-032/00

AB - J62129149 Catalyst has gas permeable porous ceramic support.

- USE/ADVANTAGE - Used to remove SOx, NOx, CO, or hydrocarbons from combustion exhaust in a dry process. The porous ceramic (foam) support has a larger gas-contacting area than conventional honeycomb or pellet supports, providing a higher percentage of denitration, e.g. removing 91-95% of NOx from a mixed gas contg. 100 ppm of NOx, 100 ppm of NH3, 10% of steam, 12% of CO2, 100 ppm of SO2, and remainder of N2 at 360 deg. C, 4000h-1 space velocity.

- In an example, catalyst e.g. with 5% V2O5 was prepd. Titania wash-coat layer 200 micro thick was formed on a ceramic foam contg. alumina, with 30 foams per 25 mm2. The foam was dried at 100 deg. C for 3 hrs. An oxalic acid soln. of ammonium metavanadate was impregnated into the foam. The foam was dried at 100 deg. C and calcined at 500 deg. C for 3hrs.(0/0)

CN - 8729-B7601-X R01423-X R01784-X R01953-X

DRL - 1286-M 8714-0

IW - WASTE GAS PURIFICATION CATALYST CONTAIN GAS PERMEABLE POROUS CERAMIC  
SUPPORT REMOVE SULPHUR NITROGEN CARBON OXIDE COMBUST EXHAUST

IKW - WASTE GAS PURIFICATION CATALYST CONTAIN GAS PERMEABLE POROUS CERAMIC  
SUPPORT REMOVE SULPHUR NITROGEN CARBON OXIDE COMBUST EXHAUST

NC - 001

OPD - 1985-11-29

ORD - 1987-06-11

PAW - (MITO) MITSUBISHI HEAVY IND CO LTD

TI - Waste gas purificn. catalyst - contg. gas permeable porous ceramic support, and used to remove sulphur-, nitrogen and carbon-oxide(s) from combustion exhaust